

Utility Model Patent

CN 87210843 U

Publication Date: July 6, 1988

Application Date: July 27, 1987

Application No.: 87.2.10843

Applicant: WANG, Shi-Qiang  
Huaibei City, Anhui Province, PRC

Title: **Negative-Ion Generator Capable of Eliminating Ozone**

**Abstract:**

A negative ion-generator capable of eliminating ozone, being fit for use in hospitals, hotels and homes, with both medical effect and air purifying function. The resolution to the harmful ozone accompanying the emission of negative ion can be achieved by only adding a UV ray emitting device to the existing negative ion generator. As a result, the medical effect of the ion-generator will be greatly enhanced, and it also brings about the effect of trapping and killing mosquitoes and bugs.

**Claims:**

1. A negative ion-generator capable of eliminating ozone comprising: at least a discharge plate and generating circuit, the feature therein being a UV ray emitting device.
2. A negative ion-generator capable of eliminating ozone of Claim 1, featuring the said UV ray device, the emitting wave length thereof being between  $2080 \times 10^{-10}$  (m) and  $3130 \times 10^{-10}$  (m).
3. A negative-ion generator capable of eliminating ozone of Claims 1 and 2, wherein the feature being that said UV ray emitting device locating nearby said discharge comprising negative electrodes (4) and positive electrodes (5).

12-APR-2004 14:23 FROM

TO 0014153828599

P.03/31

(19) 中华人民共和国专利局

(51) Int. Cl.<sup>4</sup>



(12) 实用新型专利申请说明书

H01T 23/00

A61L 9/22

F24F 3/16

(11) CN 87 2 10843 U

CN 87 2 10843 U

(43) 公告日 1988 年 7 月 6 日

(1) 申请号 87 2 10843

(2) 申请日 87.7.27

(3) 申请人 王世强

地址 安徽省淮北市相山特区公司科研处转

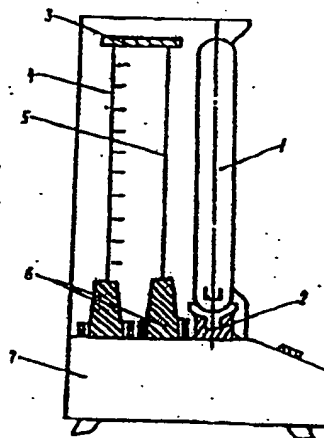
(4) 设计人 王世强

(7) 专利代理机构 煤炭部专利服务中心

代理人 张志刚

**实用新型名称 可消除臭氧的空气负离子发生器**

一种能够消除臭氧的空气负离子发生器。适用于医院、宾馆、家庭等各种场所，对人体有医疗作用，并可净化空气。它只需在现有的空气负离子发生器上装一可放射紫外线的装置，即解决了产生负离子的同时伴随有对人体有害的臭氧问题，更大地提高了空气负离子发生器医疗之功效。还可有诱杀蚊虫的作用。



(BJ)第1452号

882U07718 / 43-332

说明书附图

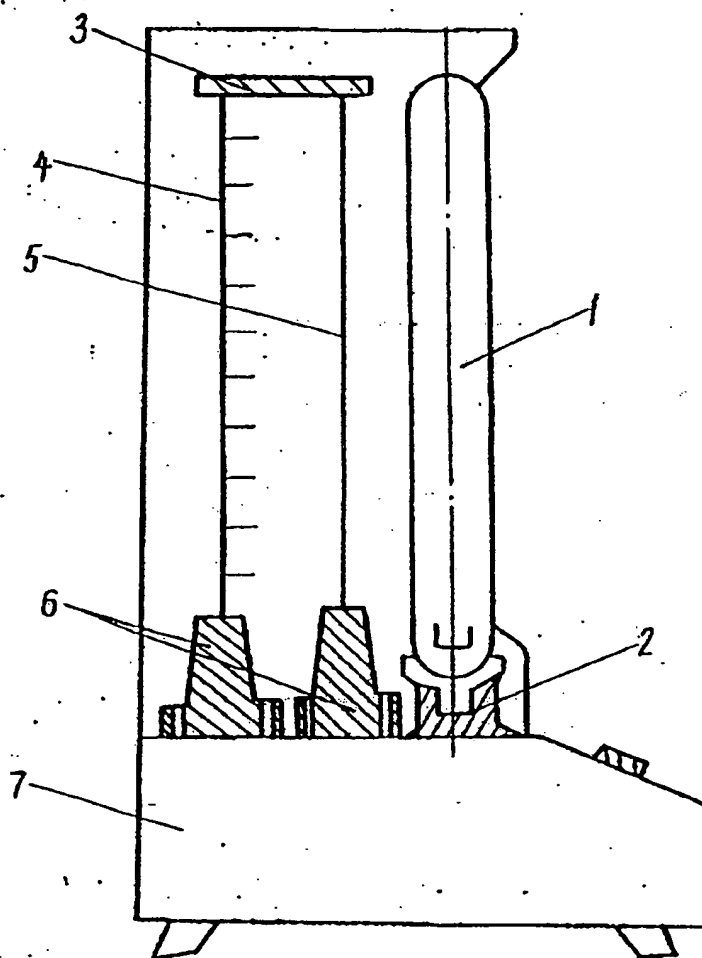


图1

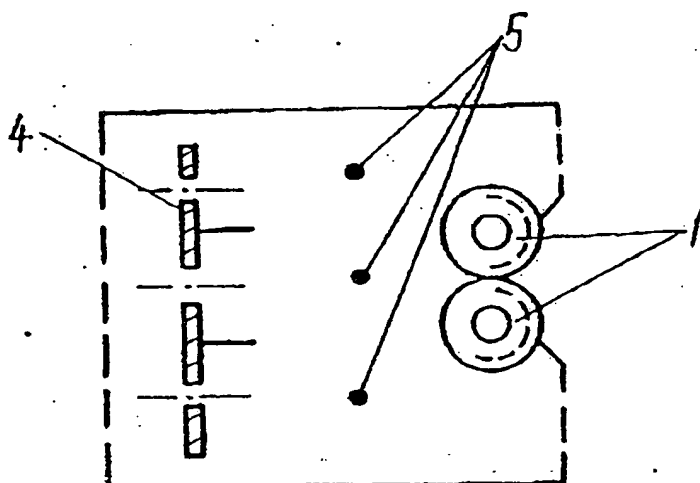


图 2

BEST AVAILABLE COPY

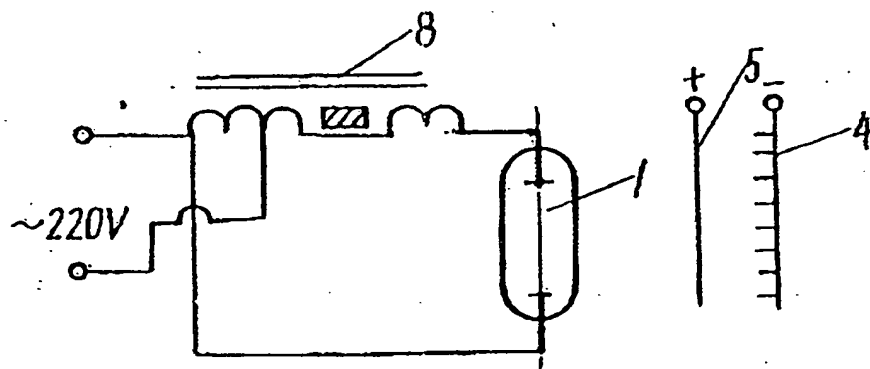


图3